## Amendments to the Claims

Kindly amend claims 1, 8 and 9 as indicated below. Also, please add new claims 17-25, presented below.

- 1. (currently amended) An polymerizable composition comprising:
- (a) an aqueous microemulsion comprising one or more hydrophobic hydrophobic monomers, one or more hydrophilic and/or amphiphilic monomers, one or more initiators; and
- (b) at least one thickening agent comprising a polymer or copolymer of acrylic acid.
- 2. The polymerizable composition of claim 1 wherein the thickening agent comprises a polymer of molecular weight between about 200,000 and about 800,000.
- 3. The polymerizable composition of claim 1 wherein the thickening agent comprises a substantially linear polymer.
- 4. The polymerizable composition of claim 1 wherein the polymer comprises at least about 20 weight percent acrylic acid monomer.
- 5. The polymerizable composition of claim 1 wherein the polymer comprises at least about 80 weight percent acrylic acid monomer.
- 6. The polymerizable composition of claim 1 further comprising one or more water-soluble or water-dispersible additives.

- 7. The polymerizable composition of claim 6 wherein at least one of the water-soluble or water-dispersible additives is selected from the group consisting of electrolytes, plasticizers, antimicrobial agents, therapeutic agents, and combinations thereof.
- 8. (currently amended) A pressure sensitive composition comprising a polymerized <u>product of the polymerizable microemulsion</u> composition according to claim 1.
- 9. (currently amended) A method of forming a polymerized microemulsion pressure sensitive adhesive in contact with a substrate, comprising the steps of:
- (1) providing an aqueous microemulsion comprising one or more hydrophobic hydrophobic monomers, one or more hydrophilic and/or amphiphilic monomers and one or more initiators;
- (2) combining the aqueous microemulsion with at least one thickening agent comprising a polymer or copolymer of acrylic acid;
  - (3) coating the thickened microemulsion onto the substrate; and
- (4) irradiating the microemulsion in order to form the pressure sensitive adhesive in contact with the substrate.
- 10. The method of claim 9 wherein the thickening agent comprises a polymer of molecular weight between about 200,000 and about 800,000.
- 11. The method of claim 9 wherein the thickening agent comprises a substantially linear polymer.
- 12. The method of claim 9 wherein the polymer comprises at least about 20 weight percent acrylic acid monomer.



- 13. The method of claim 9 wherein the polymer comprises at least about 80 weight percent acrylic acid monomer.
- 14. The method of claim 9 wherein the irradiation is ultraviolet radiation in the range of 280 nm to 400 nm.
- 15. (previously amended) A method of forming a polymerized microemulsion pressure sensitive adhesive in contact with a substrate, comprising the steps of:
- (1) mixing hydrophilic monomer(s) and/or amphiphilic monomer(s) in a weight percent ratio of from about 100/0 to about 0/100 to form a first mixture;
- (2) mixing hydrophobic monomer(s), having a glass transition temperature suitable for forming a hydrophobic pressure sensitive adhesive, into the first mixture in a weight percent ratio of from about 80/20 to about 10/90 hydrophobic monomers/first mixture to form a second mixture;
- (3) mixing surfactant(s) into the second mixture in a weight percent ratio of from about 5/95 to about 30/70 surfactant/second mixture to form a third mixture;
- (4) mixing initiator(s) into the third mixture in a weight percent ratio of from about 0.01/99.99 to about 2/98 initiator/third mixture to form a fourth mixture,
- (5) independently, mixing water and water-soluble or water-dispersible additives together in a weight percent ratio of from about 100/0 to about 80/20 to form an aqueous mixture;
- (6) mixing the aqueous mixture and the fourth mixture together in a weight percent ratio of from 5/95 to about 50/50 aqueous mixture/fourth mixture to form a microemulsion;
- (7) mixing the microemulsion with a thickening agent comprising a polymer or copolymer of acrylic acid monomer together in a weight ratio of from about 0.5/99.5 to about 5/95 to form a thickened microemulsion;
  - (8) coating the thickened microemulsion onto the substrate; and
- (9) irradiating the microemulsion in order to form the pressure sensitive adhesive in contact with the substrate.



16. The method of claim 15 wherein the water-soluble or water dispersible additives are selected from the group consisting of electrolytes, plasticizers, antimicrobial agents, therapeutic agents, and combinations thereof.

## 17. (new) A polymerizable composition comprising:

- (a) an aqueous microemulsion comprising one or more hydrophobic monomers, one or more hydrophilic and/or amphiphilic monomers, one or more initiators; and
- (b) a thickening agent comprising a solution of a polymer or copolymer of acrylic acid.
- 18. (new) The polymerizable composition of claim 17 wherein the polymer or copolymer comprises at least about 20 weight percent acrylic acid monomer.
- 19. (new) The polymerizable composition of claim 17 wherein the polymer or copolymer comprises at least about 80 weight percent acrylic acid monomer.
- 20. (new) The polymerizable composition of claim 17 wherein the thickening agent comprises a polymer or copolymer of molecular weight between about 200,000 and about 800,000.
- 21. (new) The polymerizable composition of claim 17 wherein the thickening agent comprises polyacrylic acid.
- 22. (new) The polymerizable composition of claim 21 wherein the polyacrylic acid is of molecular weight between about 200,000 and about 800,000.
- 23. (new) The polymerizable composition of claim 17 further comprising one or more water-soluble or water-dispersible additives.

24. (new) The polymerizable composition of claim 23 wherein at least one of the water-soluble or water-dispersible additives is selected from the group consisting of electrolytes, plasticizers, antimicrobial agents, therapeutic agents, and combinations thereof.

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25. (new) A pressure sensitive composition comprising a polymerized product of the polymerizable composition of claim 17.